

Title (en)

Coated paper for offset printing

Title (de)

Beschichtetes Papier für Offsetdruck

Title (fr)

Papiers enduits pour l'impression offset

Publication

EP 1743976 A1 20070117 (EN)

Application

EP 05106427 A 20050713

Priority

EP 05106427 A 20050713

Abstract (en)

The specification pertains to a single or multiple coated printing sheet in particular but not exclusively for sheet-fed offset printing with an image receptive coating layer on a paper substrate. Unexpectedly short converting times and times until reprinting is possible can be achieved by choosing a coating, in which the image receptive coating layer comprises a top layer and/or at least one second layer below said top layer, said top and/or second layer comprising a pigment part, wherein this pigment part is composed of 1 - 95 preferably of 80-95 parts in dry weight of a fine particulate carbonate and/or of a fine particulate kaolin and 1 - 100, preferably 6 to 20 parts in dry weight of a fine particulate silica, and a binder part, wherein this binder part is composed of 5-20 parts in dry weight of binder and less than 4 parts in dry weight of additives. Furthermore methods for making such a printing sheet and uses of such a printing sheet are disclosed.

IPC 8 full level

D21H 19/40 (2006.01)

CPC (source: EP KR US)

B41M 5/502 (2013.01 - EP US); **B41M 5/506** (2013.01 - EP US); **B41M 5/52** (2013.01 - EP US); **D21H 5/2664** (2013.01 - KR); **D21H 19/40** (2013.01 - EP KR US); **D21H 19/82** (2013.01 - KR); **D21H 19/84** (2013.01 - KR); **B41M 5/5218** (2013.01 - EP US); **B41M 5/5254** (2013.01 - EP US); **D21H 19/82** (2013.01 - EP US); **D21H 19/84** (2013.01 - EP US); **D21H 21/18** (2013.01 - EP US); **D21H 21/52** (2013.01 - EP US); **D21H 25/14** (2013.01 - EP US)

Citation (search report)

- [X] EP 0806300 A2 19971112 - JUJO PAPER CO LTD [JP]
- [X] EP 0524635 A1 19930127 - MITSUBISHI PAPER MILLS LTD [JP]
- [X] EP 0770729 A1 19970502 - JUJO PAPER CO LTD [JP]
- [X] US 5952051 A 19990914 - ASANO SHINICHI [JP], et al
- [X] EP 1498278 A1 20050119 - JUJO PAPER CO LTD [JP]
- [X] GB 2380695 A 20030416 - ILFORD IMAGING UK LTD [GB]
- [X] US 5597612 A 19970128 - SCHOEN HORST [DE], et al
- [X] EP 0734881 A1 19961002 - JUJO PAPER CO LTD [JP]
- [X] US 2004066446 A1 20040408 - YAMAGUCHI KENICHI [JP], et al
- [A] US 5316576 A 19940531 - FREEMAN GARY M [US]

Cited by

EP2103736A1; FR2944034A1; EP2730698A1; EP2733260A1; AU2011280943B2; PT106638A; PT106638B; EP2142701A4; EP2142702A4; EP2156953A4; US8440053B2; US8758886B2; US8697203B2; US8586156B2; WO2008095633A1; US9783931B2; US8608908B2; WO2013017857A1; WO2010112688A1; WO2012012724A1; WO2009115416A1; US8357447B2; US8974876B2; KR101537299B1; WO2011146367A1; WO2014079859A1; US8268130B2; US8277611B2; WO2008132283A1; WO2008132284A1; EP2457737A1; WO2012069586A1; US9597913B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1743976 A1 20070117; AT E487003 T1 20101115; AU 2006268654 A1 20070118; AU 2006268654 B2 20110310; BR PI0615499 A2 20180731; CA 2614266 A1 20070118; CN 101228316 A 20080723; CN 101228316 B 20111207; DE 602006018010 D1 20101216; DK 1907626 T3 20110214; EA 011735 B1 20090428; EA 200800035 A1 20080630; EP 1907626 A1 20080409; EP 1907626 B1 20101103; EP 2292838 A1 20110309; ES 2353819 T3 20110307; HK 1116840 A1 20090102; HR P20110077 T1 20110331; JP 2009501283 A 20090115; JP 4970439 B2 20120704; KR 101375453 B1 20140317; KR 20080045129 A 20080522; PT 1907626 E 20110207; RS 51611 B 20110831; SI 1907626 T1 20110331; US 2009197005 A1 20090806; US 8101250 B2 20120124; WO 2007006794 A1 20070118; ZA 200800263 B 20090826

DOCDB simple family (application)

EP 05106427 A 20050713; AT 06777722 T 20060712; AU 2006268654 A 20060712; BR PI0615499 A 20060712; CA 2614266 A 20060712; CN 200680025652 A 20060712; DE 602006018010 T 20060712; DK 06777722 T 20060712; EA 200800035 A 20060712; EP 06777722 A 20060712; EP 09168205 A 20060712; EP 2006064143 W 20060712; ES 06777722 T 20060712; HK 08107509 A 20080708; HR P20110077 T 20110201; JP 2008520876 A 20060712; KR 20087003476 A 20060712; PT 06777722 T 20060712; RS P20100558 A 20060712; SI 200630912 T 20060712; US 99523006 A 20060712; ZA 200800263 A 20060712